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SINGLE ALUMINUM XLPE INSULATED CABLE

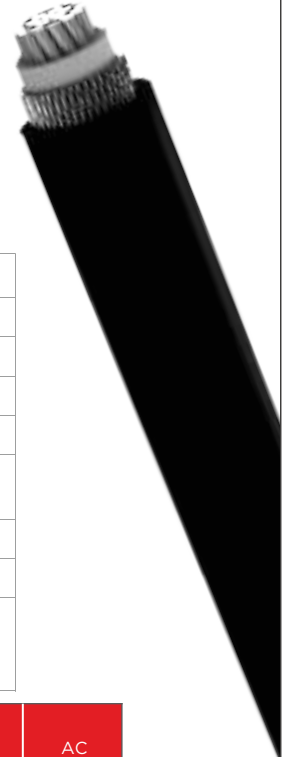
PRODUCT DETAILS

Single Core, Aluminum Conductor, XLPE Insulated, Un-armoured / Aluminum Round wire Armoured / Aluminum Flat Strip Armoured, PVC Outer Sheath Cable conforming to IS 7098 Part-1 with up to date amendment.

- Voltage Rating : 1100 Volts
- Temperature Rating : -40°C to +90°C
- UV Resistance
- RoHS Compliant

TECHNICAL SPECIFICATIONS

Material		Ref. Spec
Conductor	Aluminum Conductor	IS 8130
Insulation	XLPE	IS 7098 Part-1
Insulation Colour	Natural or Red or Yellow, or Blue or Black	IS 7098 Part-1
Inner Sheath	Not Applicable	-
Armouring (as applicable)	HD Aluminum Flat Strip HD Aluminum Flat Strip	IS 8130
Outer Sheath	Extruded PVC Type ST-1, Extruded HR PVC Type ST-2	IS 5831
Colour	Black or optional	
Special Properties (on request)	Flame Retardant Flame Retardant Low Smoke Flame Retardant Low Smoke Zero Halogen	



Cross Sectional Area (sqmm)	Insulation Thickness (Nominal)	Inner Sheath Thickness (Minimum)	Unarmoured Cables (A2XY)		Flat Strip Armoured Cable (A2XFY)			Round Wire Armoured Cable (A2XWY)			Current Rating		DC Resistance At 20°C (Max)	AC Resistance At 90°C (Approx)
			Outer Sheath Thickness (Nominal)	Overall Diameter (Approx)	Armour Dimension (Flat Strip)	Outer Sheath Thickness (Minimum)	Overall Diameter (Approx)	Armour Dimension (Round Wire)	Outer Sheath Thickness (Minimum)	Overall Diameter (Approx)	Ground	Air		
4	0.7	1.8	7	1.0	-	-	-	1.4	1.24	10	48	31	7.41	9.48
6	0.7	1.8	8	1.0	-	-	-	1.4	1.24	11	62	45	4.61	5.90
10	0.7	1.8	9	1.0	-	-	-	1.4	1.24	12	81	61	3.08	3.94
16	0.7	1.8	10	1.0	-	-	-	1.4	1.24	13	99	83	1.91	2.44
25	0.9	1.8	12	1.2	-	-	-	1.4	1.24	15	117	115	1.20	1.54
35	0.9	1.8	13	1.2	-	-	-	1.4	1.24	16	138	135	0.868	1.11
50	1.0	1.8	15	1.3	-	-	-	1.4	1.24	18	135	170	0.641	0.820
70	1.1	1.8	16	1.4	-	-	-	1.4	1.24	20	168	210	0.443	0.567
95	1.1	1.8	18	1.4	4 x 0.80	1.4	20	1.6	1.4	22	204	255	0.320	0.410
120	1.2	1.8	19	1.5	4 x 0.80	1.4	22	1.6	1.4	23	230	300	0.253	0.324
150	1.4	2.0	22	1.7	4 x 0.80	1.4	23	1.6	1.4	25	265	342	0.206	0.264
185	1.6	2.0	24	1.9	4 x 0.80	1.4	25	1.6	1.4	27	295	385	0.164	0.210
240	1.7	2.0	26	2.0	4 x 0.80	1.4	28	1.6	1.4	29	340	450	0.125	0.160
300	1.8	2.0	29	2.1	4 x 0.80	1.56	30	1.6	1.56	32	390	519	0.100	0.128
400	2.0	2.2	33	2.4	4 x 0.80	1.56	35	2.0	1.56	37	450	605	0.0778	0.100
500	2.2	2.2	36	2.6	4 x 0.80	1.56	38	2.0	1.56	40	500	700	0.0605	0.0774
630	2.4	2.2	40	2.8	4 x 0.80	1.72	42	2.0	1.72	45	555	809	0.0469	0.0600
800	2.6	2.4	45	3.1	4 x 0.80	1.72	47	2.0	1.88	50	625	935	0.0367	0.0470
1000	2.8	2.6	51	3.3	4 x 0.80	1.88	53	2.5	2.04	56	690	1065	0.0291	0.0372

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